

FIG. 1
(PRIOR ART)

2/13

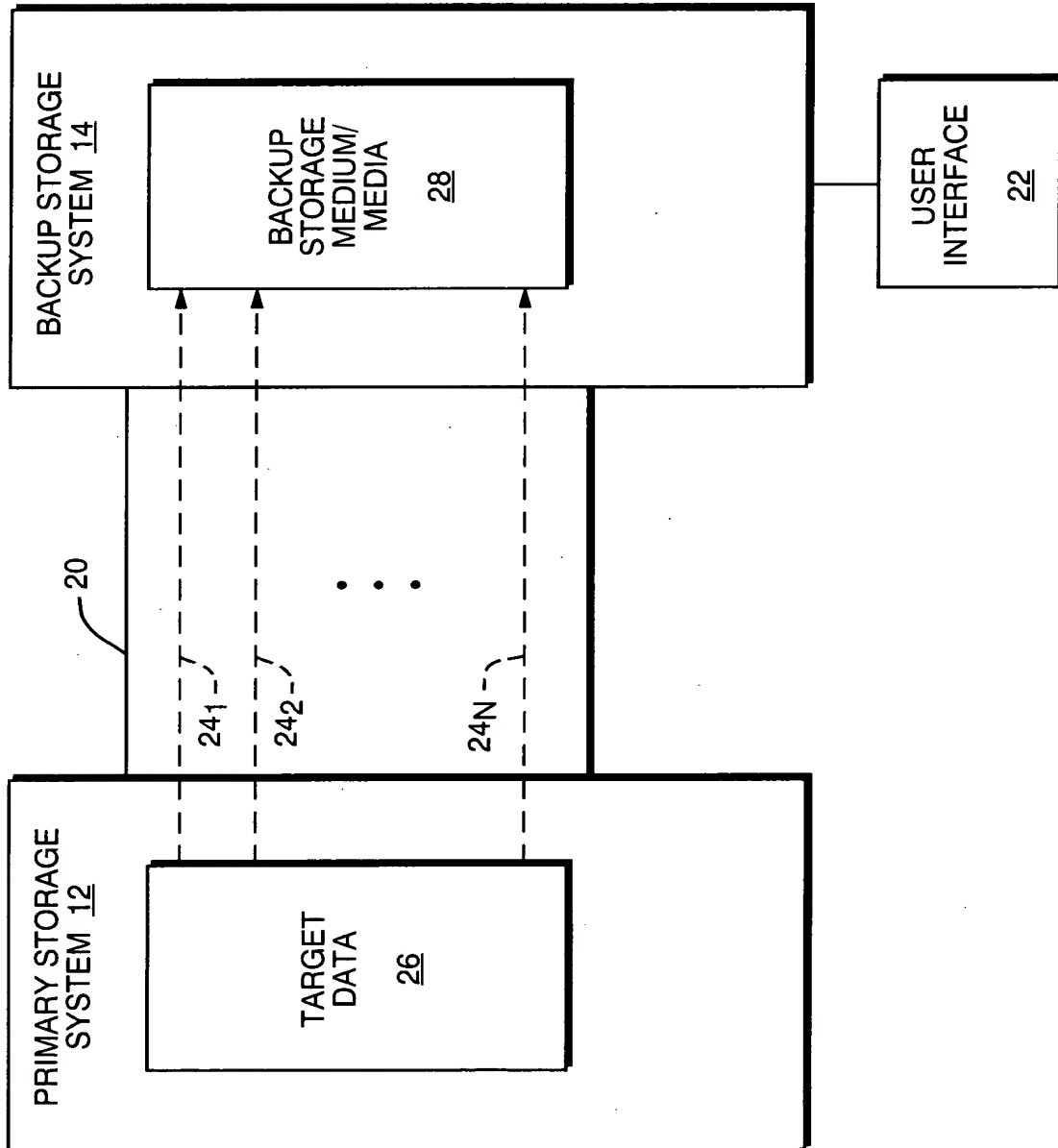
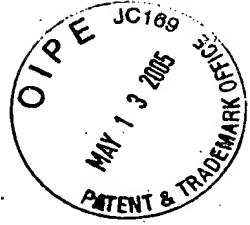


FIG. 2
(PRIOR ART)

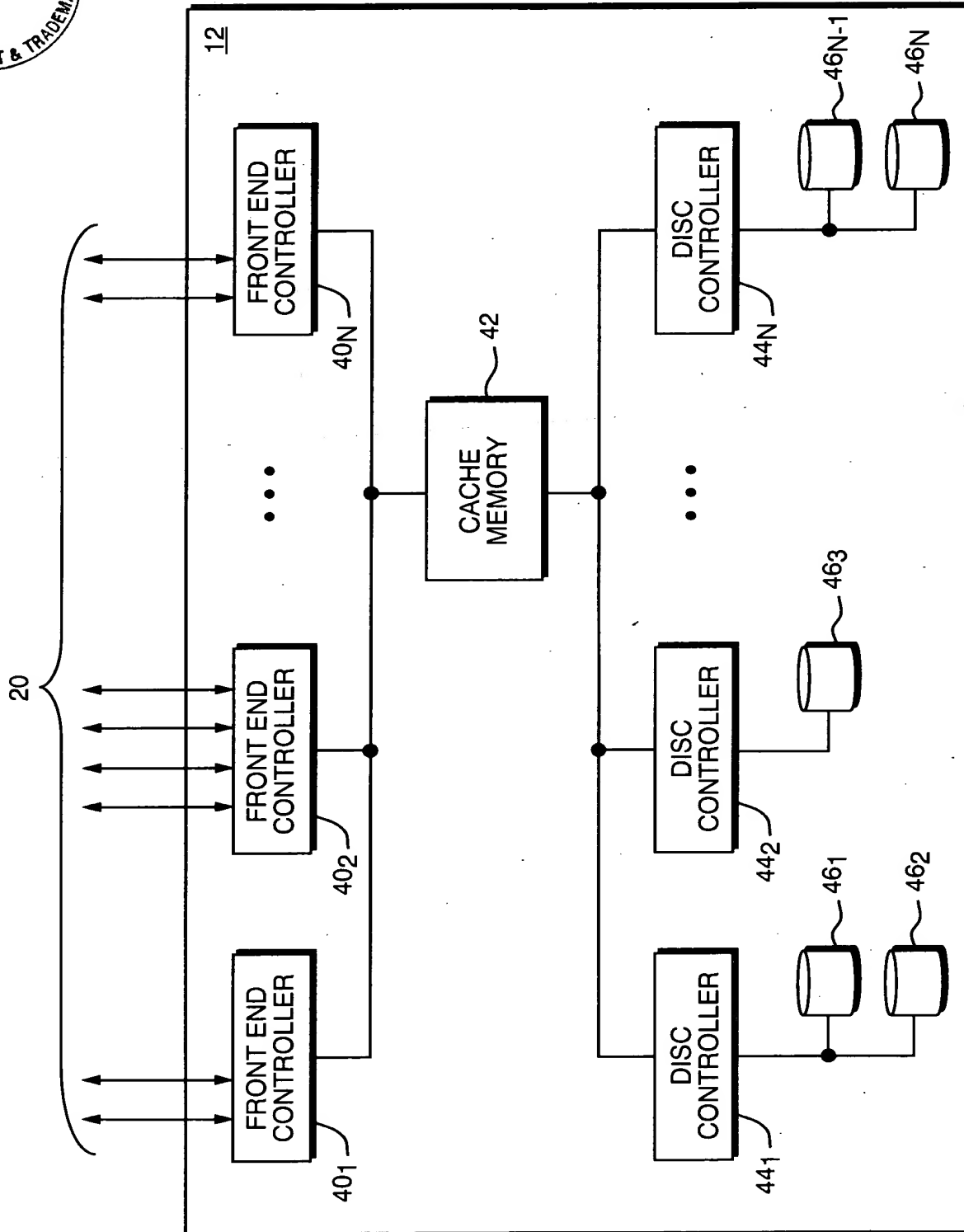
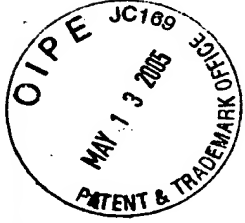


FIG. 3
(PRIOR ART)

4/13

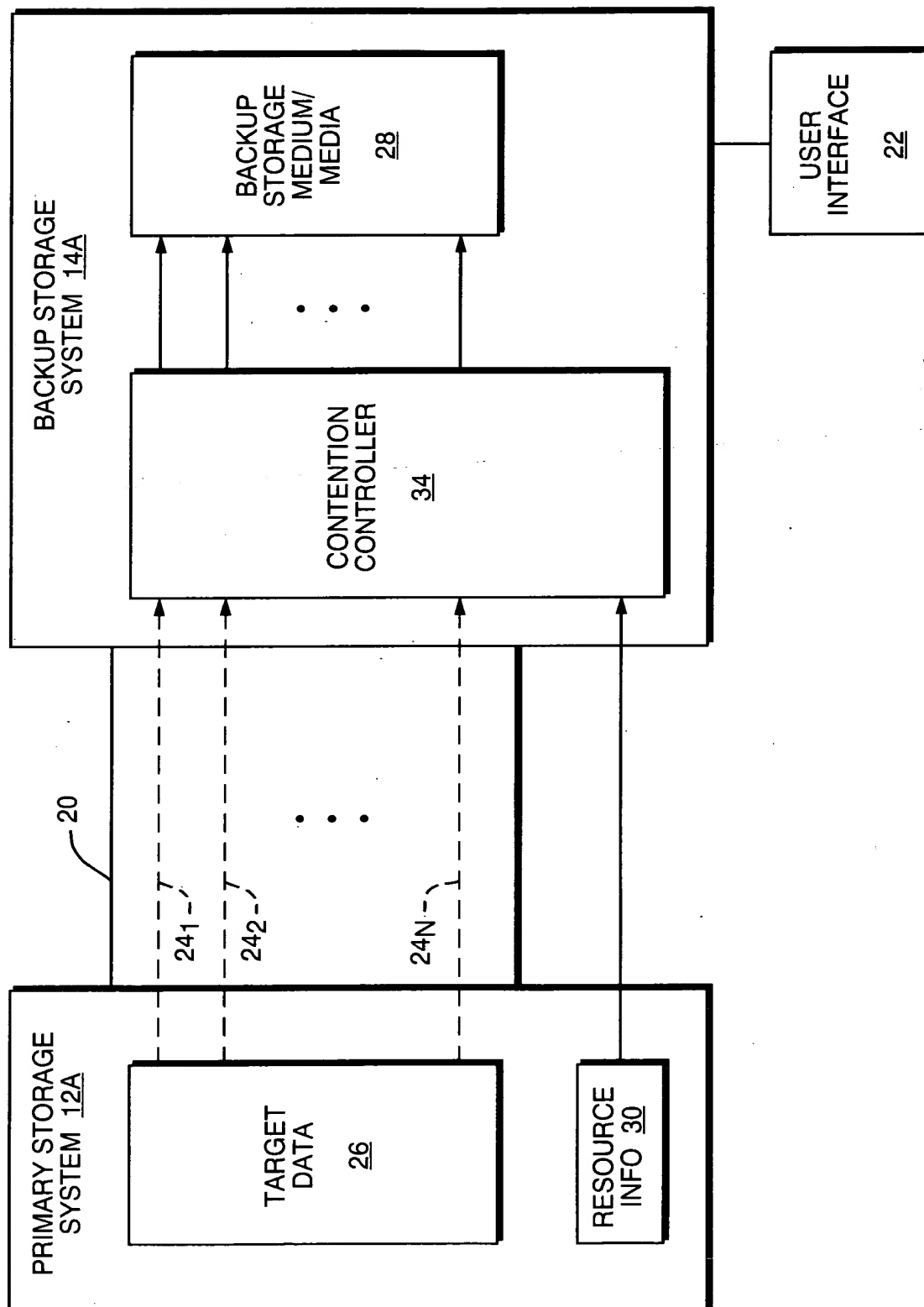
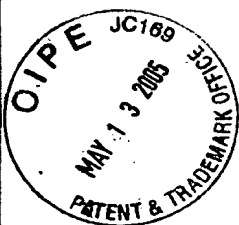


FIG. 4

5/13

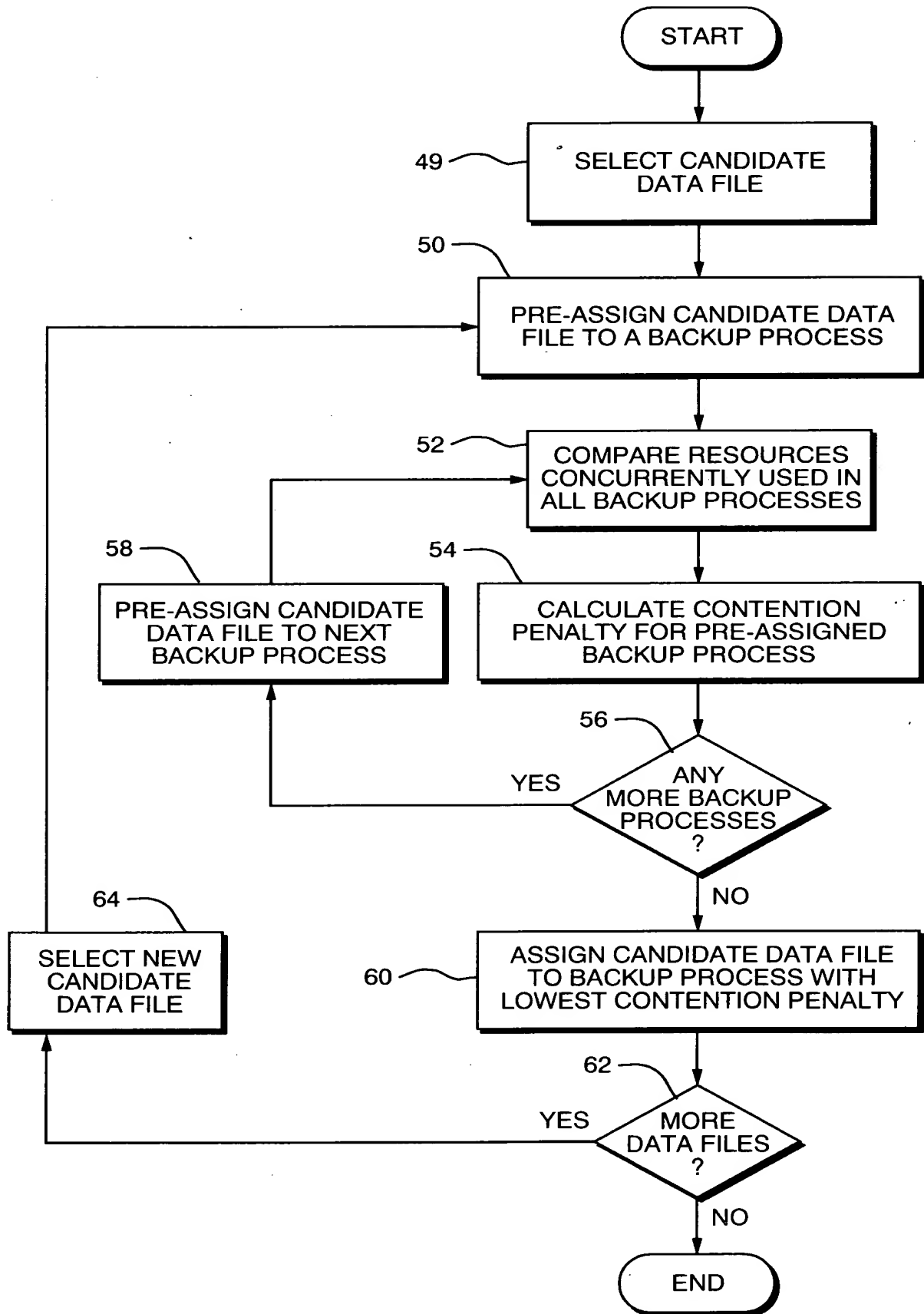
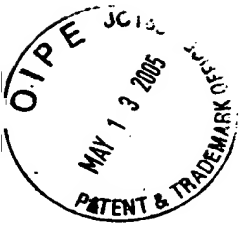


FIG. 5

6/13

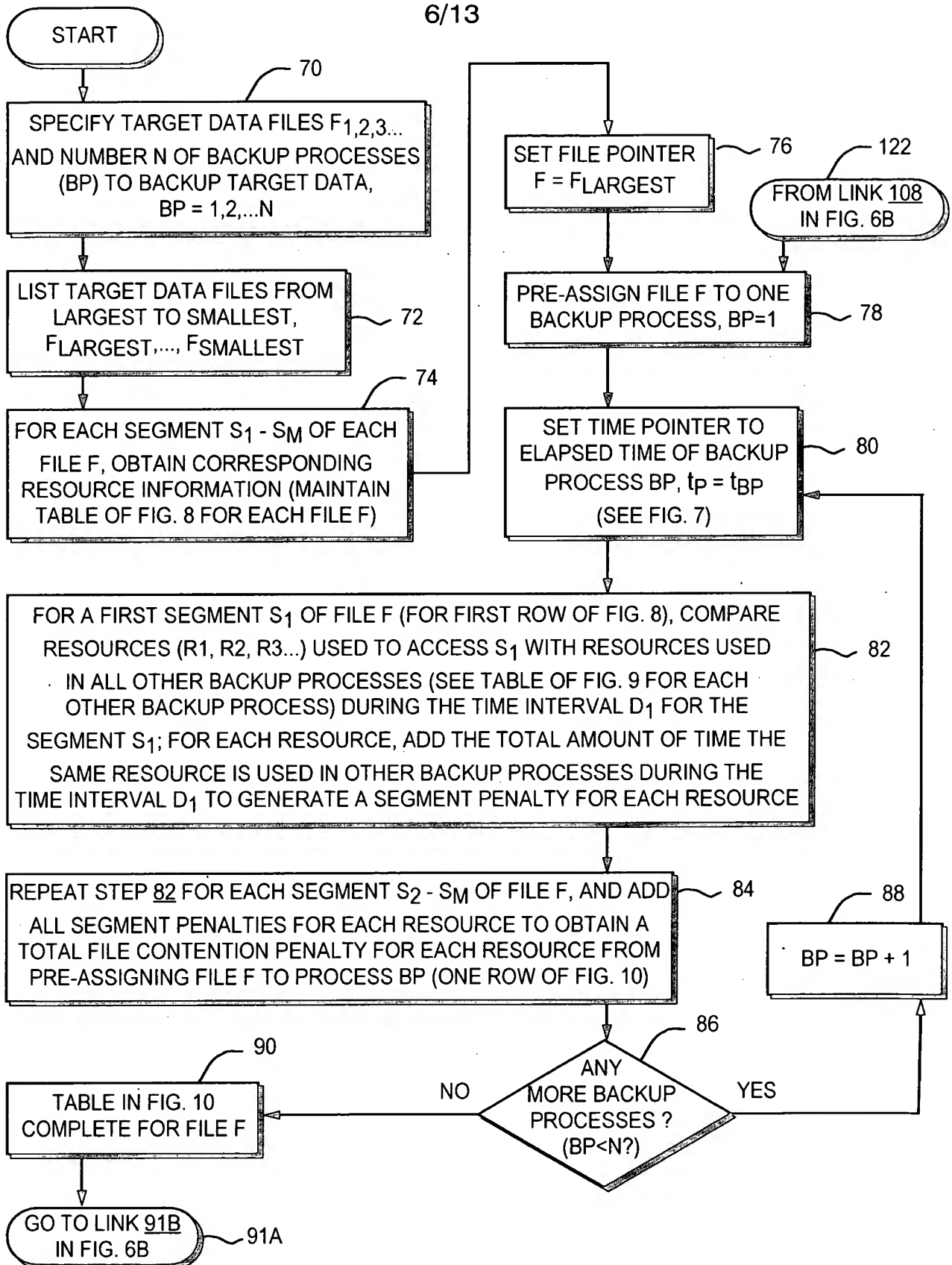
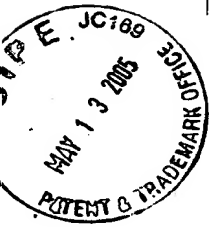


FIG. 6A

7/13

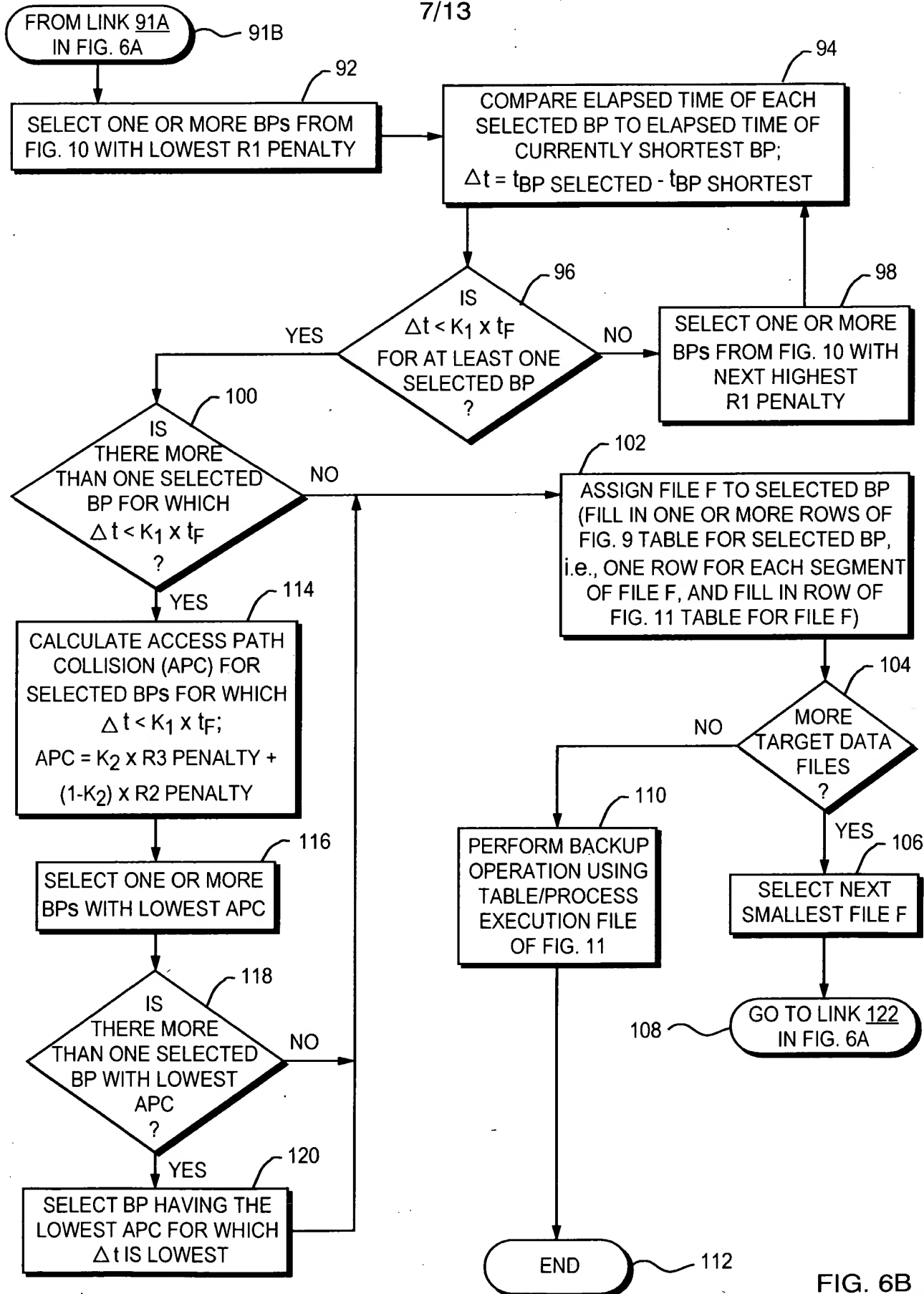


FIG. 6B

8/13

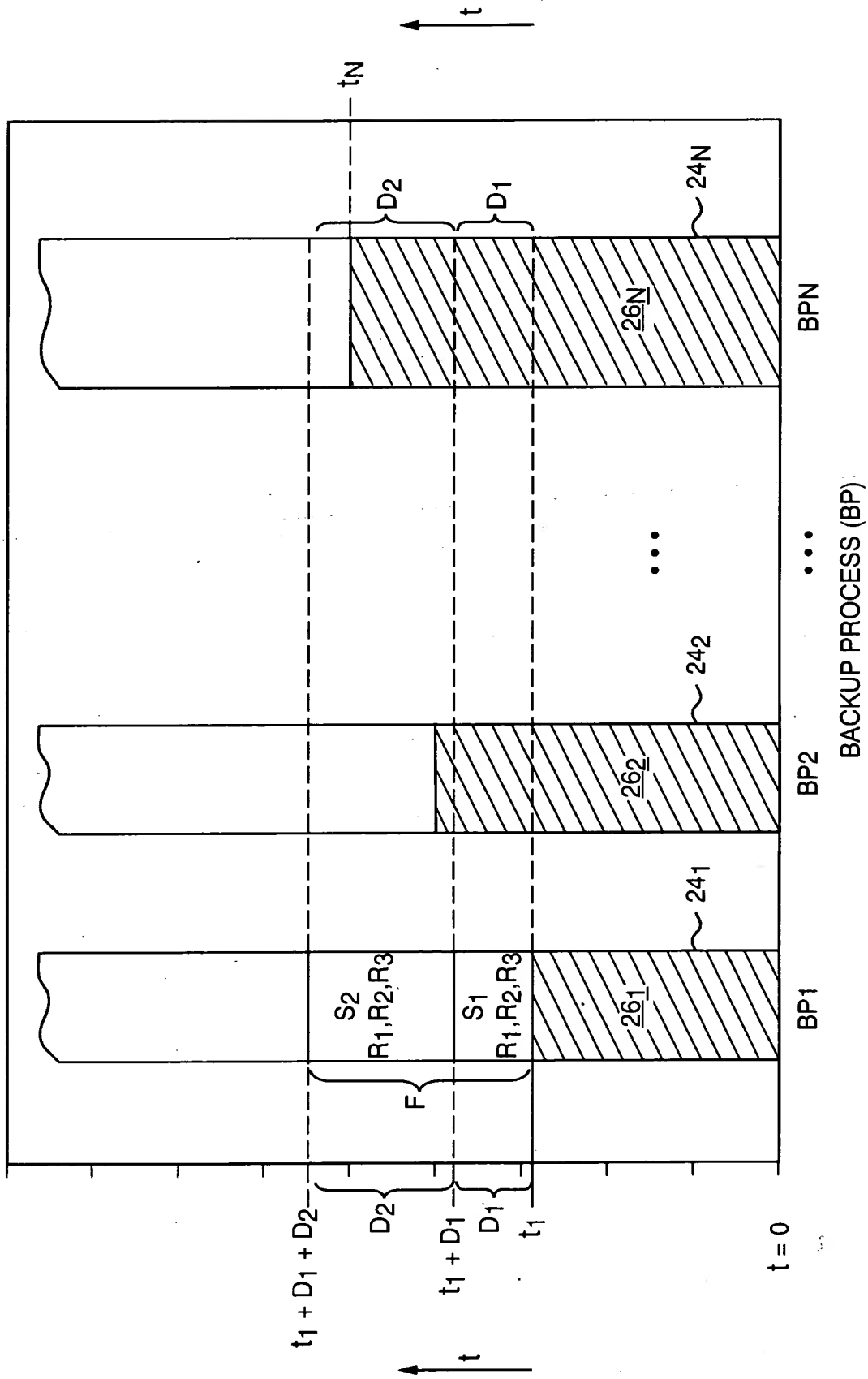
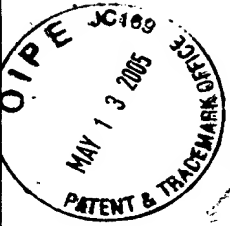
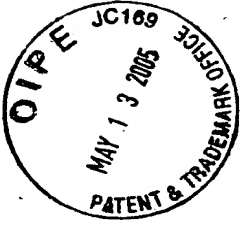


FIG. 7

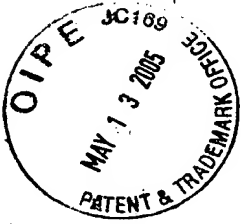
9/13



SEGMENT/ DURATION	SPINDLE (R1) ID	DISC CONTROLLER (R2) ID	FRONT END CONTROLLER (R3) ID
S1/10ms	2	3	1
S2/20ms	6	2	2
S3/D3			
S4/D4			
• • •			
SM/DM			

FIG. 8

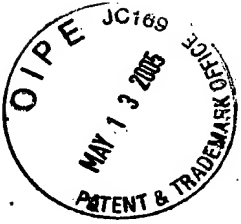
10/13



TIME t(ms)	SPINDLE ID (R1)	DISC CONTROLLER ID (R2)	FRONT END ID (R3)
0			
D1			
D1 + D2			
D1 + D2 + D3			
.			
.			
.			
DM-2 + DM-1 + DM			

FIG. 9

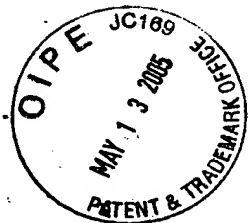
11/13



BACKUP PROCESS (BP)	TOTAL SPINDLE (R1) PENALTY	TOTAL DA (R2) PENALTY	TOTAL FRONT END (R3) PENALTY
1			
2			
3			
• • •	• • •	• • •	• • •
N			

FIG. 10

12/13



FILE NAME	BACKUP PROCESS	ORDER IN PROCESS
FLARGEST		
• • •	• • •	• • •
FSMALLEST		

FIG. 11

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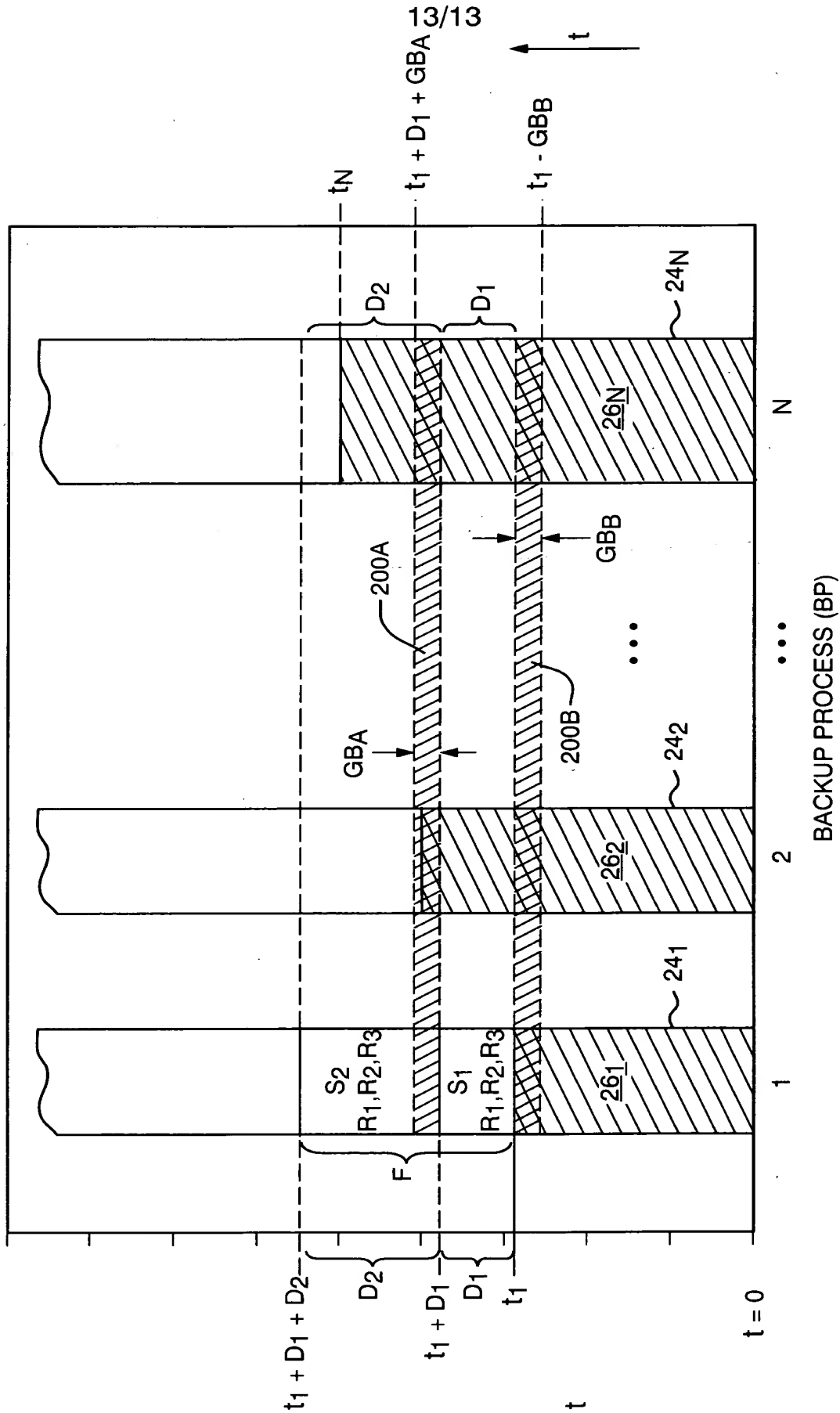


FIG. 12